

TRUFANOV, A. V.

USSR/Chemistry- Yeasts, Folic Acid

in

Chemistry- Folic Acid, in Yeasts

May/Jun 42

"Folic Acid Content in Various Yeasts," V. A. Kirsanova and A. V. Trufanov, Lab  
of the Chem of Vitamins, Inst of Nutrit, Acad Med Sci USSR, Moscow, 5 3/4 pp

" Biokhimiya " Vol XIII, No 3

Studies liberation of folic acid from compounds by enzyme preparations. Determines  
folic acid by microbiological method. Shows that best preparation is acetonized  
pig's liver, Tabulates folic acid content in various yeasts. Submitted 21 May 47.

PA 12/49T17

TRUFANOV, A. V.

PA 41T62

USSR/Medicine - Pyridoxine  
Medicine - Enzyme Reactions

Jan/Feb 1948

"Group B<sub>6</sub> Vitamins (Pyridoxine and Its Derivatives)  
and Their Significance in Enzymatic Reactions," A. V.  
Trufanov, Moscow, 8 pp

"Uspekhi Sovremen Biol" Vol XXV, No 1

Vitamin B<sub>6</sub> was found to be an important factor in the nutritional regimen of many animals. Symptoms of vitamin B<sub>6</sub> deficiency in man are: severe nervousness, insomnia, and various abdominal disorders. Fifty grains of vitamin B<sub>6</sub> cure these symptoms in 24 hours. Describes pyridine and the substances from which it can be derived. Discusses the significance of vitamin B<sub>6</sub> in enzymatic reactions.

LC

41T62

TRUFANOV, A. V.

PA 3/50T58

USSR/Medicine - Vitamins  
Antivitamins

Nov/Dec 48

"Antivitamins," A. V. Trufanov, Moscow, 8 pp

"Uspekhi Sovrem Biol" Vol XXVI, No 3 (6) 1948 SV

Antivitamins have been found for all vitamins except A and D. Discusses action and gives composition of antipara-aminobenzoic and antinicotinic acids, antipantothenic acid, antithiamin, antirboflavin, antipyridoxine, antibiotin, antifolic acid, antivitamin K, antivitamins K and E, and antivitamin G.

3/50T58

TRUFANOV, A. V.

25627. TRUFANOV, A. V. i SOLOV'YEVA, A. I. Biosintez piridoksalfosfata Drozhzhami.  
Biokjimiya, 1949 VYP.4, s. 327-30 --- Bibliogr: s.330.

SO: Letopis' Zhurnal' Nykh Statey, Vol. 34, Moskva, 1949.

TRUFANOV, A. V.

USSR/Medicine - Folic Acid  
Synthesis

Sep/Oct 49

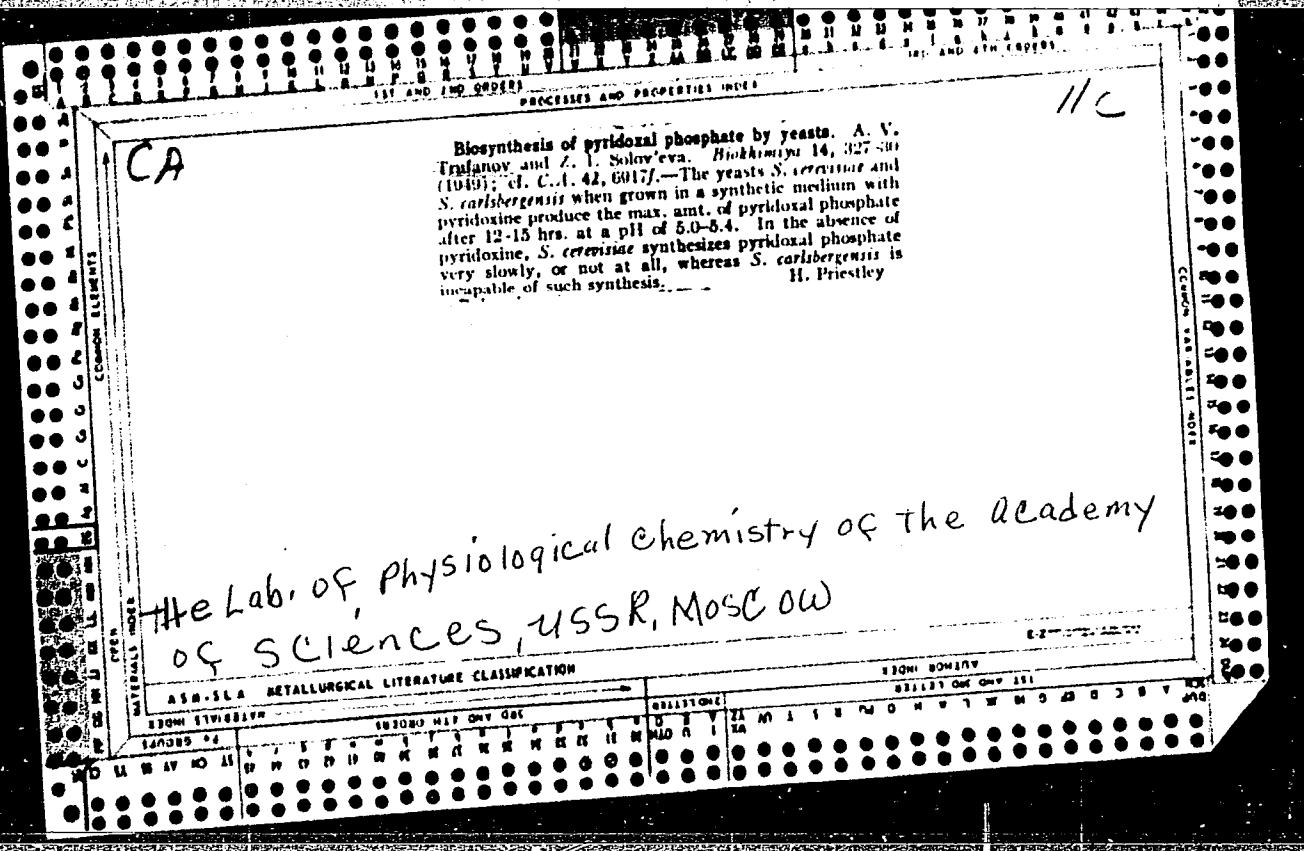
"Obtaining Synthetic Folic Acid, "V. A. Kirsanova, A. V. Trufanov, Lab of Chem and Synthesis  
of Vitamins, Inst of Nutrition, Acad Med Sci USSR, 6 pp  
"Biokhim" XIV, No 5

Describes synthesis of paraminobenzoil-d(-)-glutaminic acid which is brought about by addition  
of paranitrobenzoilchloride to d(-)-glutaminic acid in weak basic solution (bicarbonate of  
soda) and final reduction of product into paraminobenzoil-d(-)-glutaminic acid. From this  
a further process extracts folic acid (pteroglutaminic acid). Describes new method for  
purifying product. Submitted 8 Dec 48.

PA 157T55

FDD

157T55



TRUFANOV, A. V.

Vitamins and anti-vitamins Moskva, Pishchepromizdat, 1950. 115 p. (50-38767)

QP801.V5T73

1. Vitamins.

DAFM

11E

CA

Synthesis and biological properties of pteroylaminodipic acid, an analog of folic acid. V. A. Kirsanova and A. V. Trufanov (Nutrition Inst., Moscow). *Biokhimiya* 15, 243-8 (1950). — Pteroylaminodipic acid (I) was synthesized from  $\alpha$ -aminodipic acid and the same reagents were used for the synthesis of pteroylglutamic acid (folic acid). No directions are given for the prepn. of I, and no consts. are recorded. I was about 11% as active as folic acid in the nutrition of *Lactobacillus casei*, and 15% with *Streptococcus faecalis*. I was about 10-20% as effective as folic acid in its biol. action on rats, and 5% in the nutrition of chicks.

H. Priestley

The lab. of the chemistry and synthesis of vitamins, inst. of Nutrition, Academy of medical sciences, USSR, Moscow

KIRSANOV, V.A.; TRUFANOV, A.V.

Synthesis and biologic properties of pteroylaminopimelic acid-folic acid analogue. Biokhimiia, Moskva 15 no.6:367-373 Nov-Dec 50. (CLML 21:1)

1. Laboratory of the Chemistry of Vitamins, Institute of Nutrition of the Academy of Medical Sciences USSR, Moscow.

"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001756820001-1

11E

CA

Vitamin B<sub>12</sub>. A. V. Tsvetanov. *Uspeshki Sovremennoi Biol.* (Advances in Modern Biol.) 29, 464-9 (1960). — A review with 7 references. Julian P. Smith

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001756820001-1"

B A

Section 18

Synthesis and biological properties of pteroylaminopimelic acid, an analogue of folic acid. V. A. Kurnanova and A. V. Trifunayev. (Bukhina, 1951, 16, 367-373).—Pteroylaminopimelic acid, an analogue of folic acid was synthesised from *p*-aminobenzyloypimelic acid, and 2 : 4 : 5-triamino-6-hydroxypyrimidine dichloride. It can replace folic acid in synthetic media for the growth of *Lactobacillus casei* and *Streptococcus faecalis*, but about 10 times the amount are needed. In the rat diet it can replace folic acid, but about 5 times the amounts are needed, while for the chicken it can replace folic acid, only half the amount being required.

D. H. SMYTH

Lub. of Vitamin Chemistry, Inst. of Nutrition, Academy of  
med. Sciences, USSR, Moscow

TRUFANOV, A.V.

Vitamins of the folic acid group and vitamin B<sub>12</sub> and their correlation.  
Nov. med., Moskva No. 22:16-21 1951. (CIML 21:5)

11C

CA

D-Amino acid oxidase in the liver of rats and chicks under a synthetic diet augmented by pteryloglutamic acid or its analogs. A. V. Trifanov and Z. M. Pavlova (Vitamin Inst., Moscow). *Biokhimiya* 16, 817-41 (1951); cf. Kelley, Dav., and Totter, *C.A.* 44, 4584e.—The addition of folic acid to a synthetic diet of chicks increases the activity of D-amino acid oxidase in liver homogenates. Of the folic acid analogs, the greatest activity is shown by the aminocarboxylic analog, and the least by the aminodipic analog. In rats, the activity of the oxidase is also increased by adding folic acid to a synthetic diet contg. sulfaguanidine. If the latter is absent, then folic acid does not increase the activity of the enzyme. H. Priestley

Lab. of Vitamin Chem. of the Inst. of Nutrition, Academy  
of Medical Sciences, USSR, Moscow

1. TRUFANOV, A.V.; GOLYARKIN, F.Ye.
2. USSR (600)
4. Golyarkin, F. Ye.
7. This book is a failure ("Vitamins in poultry raising." A. V. Trufanov, F. Ye. Golyarkin, Reviewed by A.A. Nikolayeva, V. A. Shafarov). Ptitsvodstvo no. 4, 1953.

9. Monthly List of Russian Accessions, Library of Congress, APRIL 1953. Unclassified.

TRUFANOV, A. V.

"  
BVS  
(b)

Current Abstracts  
Vol. 13 No. 3  
Mar. 10, 1954  
Biological Chemistry

Vitamin C biosynthesis in chicks in relation to the presence in the ration of folic acid and its derivatives. V. A. Krasnova, R. A. Kralko, O. I. Penar, A. V. Trufanov, and B. I. Yanovskaya (Nutrition Inst., Acad. M. V. Lomonosov Moscow).—*Biokhimiya* 18, 351-3 (1953). A deficiency of pteroylglutamate acid results in an increase in the content of vitamin C in the spleen of the chicks. This can be regarded as a compensatory response to the enhanced functional activity of the spleen. The introduction of pteroyltaurine acid or of pteroylaminosalicilic acid helps to retain the vitamin C in the spleen of chicks at a normal level. It appears possible to assume that a similarity exists between the biol. activity of pteroylglutamic acid and the pteroylaminosalicilic acids. Such an assumption finds its basis also in clinical observations.  
B. S. Levine

Translation NIH-M Inst. of Biochem. im. A.N. BAKH of the  
Academy of Sciences, USSR, Moscow

TRUFANOV, A. V.

Chemical Abst.  
Vol. 48 No. 8  
Apr. 25, 1954  
Biological Chemistry

(4)  
The properties of amino derivatives of pteroylglutamic acid and its homologs. <sup>57</sup> A. Kirsanova and A. V. Trufanov (Nutrition Inst., Acad. Med. Sci. U.S.S.R., Moscow), Biokhimiya 18, 484-9 (1953).—By means of condensation of corresponding *N*-(*p*-aminobenzoyl)  $\alpha$ -amino dicarboxylic acids with 2,3-dibromopropionic aldehyde and 2,4,6,8-tetraaminopyrimidine, the following acids were synthesized: 4-aminopteroyleaminopyrmelle, 4-aminopteroyleaminosuberic, 4-aminopteroyleanthoazelic. The effect of these acids on the growth of lactobacilli and streptococci and on the nutrition of white rats was tested.  
B. S. Levine

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CIA-RDP86-00513R001756820001-1"

USSR / General Problems of Pathology. Tumors. № -  
abolism.

Abs Jour: Ref Zhur-Biol., № 11, 1958, 51659.

Author : Trufanov, A. V.; Popova, G. E.

Inst : Not given.

Title : Biosynthesis of Coenzyme A in Brain Tumors.

Orig Pub: Vopr. med. Khimii, 1957, 3, № 1, 3-6.

Abstract: Among homogenates of various tissues only brain tissue is able to synthetize coenzyme A (I) in the presence of pantothenate (III) ATP, cysteine and Mg<sup>2+</sup>. Biosynthesis of I from II by homogenates of benign brain tumors in man (astrocytoma, ependymoma, arachnoidendothelioma) takes place more intensively than biosynthesis by homogenates of dedifferentiating tumors (medulloblastoma, Sarcoma). The inability of malignant tumors to

Inst. Neurosurgery in N.N. Burdenko  
AMS USSR

Card 1/2

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TRUFANOV, A.V. (Moskva)

Physiological effect of folic acid and its metabolism in the animal  
body under different diets; review of the literature. Vop/pit.  
16 no.1:6-17 Ja-F '57.  
(FOLIC ACID, metab.  
metab. & physiol. eff. in animals, review (Rus))

(MLRA 10:3)

Country : USSR  
Category : Human and Animal Physiology.  
Metabolism. Vitamins.  
Abs. Jour. : Ref Zhur-Biol., No 23, 1957, 106261  
Author : Trufanov, A. V.  
Institut. :  
Title : The Nutritive Significance of Paraaminobenzoic Acid.  
Orig. Pub. : Vopr. pitaniya, 1958, 14, No 2, 66-63  
Abstract : A review is presented. The bibliography consists of 13 titles.

Card: 1/1

EXCERPTA MEDICA Sec 17 Vol 5/6 Public Health June 59

1771. NUTRITIONAL VALUE OF *para*AMINOBENZOIC ACID (Russian text) -  
Trufanov A. V. Moscow - VOPR. PIT. 1958, 17/2 (66-68)  
Despite the necessity of PABA in the nutrition of certain microorganisms, this compound should no longer be considered an independent vitamin. Notwithstanding that PABA has been considered a vitamin, there is no proof at present of the higher animals' including also man's requirement of it. Deficiency in PABA has not been established in vertebrates kept on a synthetic diet containing folic acid. PABA stimulates the synthesis of many vitamins by the intestinal bacteria. Any reduction of the content of PABA in the diet therefore impairs the supply of the body with a number of vitamins including pantothenic acid. Deficiency of the latter brings about achromotrichia. The greying of the hair of black mice when PABA is absent in the diet or the appearance of pigmentation in human hair when it is administered in excessive doses is ascribed by foreign authors directly to the function of PABA, although this is merely its indirect effect. This indirect nutrient value of PABA, which was formerly related to it as such, should now be ascribed to folic acid.  
References 18.

Burakovskii - Moscow (S)

TRUFANOV, A.V. (Moskva)

Vitamin B<sub>12</sub> deficiency in vegetarians. Vop.pit. 17 no.4:77-78  
Je-Ag '58 (MIRA 11:7)  
(VITAMIN B<sub>12</sub> Deficiency,  
in vegetarians (Rus))

THUFANOV, A.V.

Fractionation of brain tumor proteins by means of paper electrophoresis.  
(MIRA 13:3)  
Vop.med.khim. 5 no.6:403-408 N-D '59.

1. Biokhimicheskaya laboratoriya Instituta neurokhirurgii AMN SSSR,  
Moskva.  
(BRAIN neopl.)  
(PROTEINS chem.)

DZHELIYEVA, Z.N.; KYUL'YAN, G.M.; TRUFANOV, A.V.

Disorders in folic acid metabolism in vitamin B<sub>12</sub> deficiency  
induced by antivitamin B<sub>12</sub>. Vop. med. khim. 10 no.4:386-393  
Jl-Ag '64.

(MIRA 18:4)

1. Laboratoriya biokhimii Instituta eksperimental'noy patologii i  
terapii AMN SSSR, Sukhumi.

DZHELIYEVA, Z.N.; TRUFANOV, A.V.

Biosynthesis of folic acid in the monkey's intestine  
depending on the composition of rations. Vop. pit. 22  
no.2:57-63 Mr-Ap '63. (MIRA 17:2)

1. Iz laboratorii biokhimii (zav. .. prof. A.V. Trufanov)  
Instituta eksperimental'noy patologii i terapii AMN SSSR,  
Sukhumi.

TRUFANOV, A. V.,

"Influence of Bl2 Antivitamin on the Excretion of Formiminoglutamic Acid in  
Guinea Pigs and Monkeys"

Report to be presented at Medical Society of J. E. PURKYNE, Czech,  
Vitaminological Cong., Prague, Czech., 3-6 Jun 63

TRUFANOV, A.V. (Moskva)

Indicators of the status of the folic acid supply in the human body.  
Vop.pit. 20 no.2:70-75 Mr-Ap '61. (MIRA 14:6)  
(FOLIC ACID)

TRUFANOV, A.V.; PALKINA, N.A.

Effect of the antibiotic cruzin on succinic dehydrogenase and  
cytochrome oxidase in tumor tissues. Biokhimiia 25 no.5:787-789  
S-0 '60. (MIRA 14:1)

1. Laboratory of Antitumour Preparations, State Control Institute  
of Biological Preparations, Moscow.  
(SUCCINIC DEHYDROGENASE) (CYTOCHROME OXIDASE)  
(TRYPANOSOMIASIS) (CANCER)

TRUFANOV, A.Ya., podpolkovnik meditsinskoy sluzhby

Some gastroscopic data in chronic appendicitis and cholecystitis.  
Voen.-med.zhur. no.4:80-81 Ap '60. (MIRA 14:1)  
(STOMACH-DISEASES) (APPENDICITIS)  
(GALL BLADDER-DISEASES)

TRUFANOV, A. Ya.

Study of the excretory function of the stomach by means of  
methylene blue. Vrach. delo no. 28146-147 F\*64. (MIRA 17\*4)

TRUFANOV, A.Ya.

TRUFANOV, A.Ya. (Odessa)

Multaneous gastric chromoscopy and gastroscopy. Vrach.delo n.2  
993 S '57. (MIR 10:7)  
(STOMACH--EXPLORATION)

TRUFANOV, A.Ya. (Odessa)

Gastric changes in lambliasis and cholecystitis [with summary in English]. Klin.med. 37 no.2:105-109 F '59. (MIRA 12:3)

(GASTRIC JUICE,  
secretion in lamblial & catarrhal cholecystitis (Rus))

(GIARDIASIS, compl.  
cholecystitis, gastric secretion in (Rus))

(CHOLECYSTITIS, physiol.  
gastric secretion in catarrhal & lamblial cholecystitis  
(Rus))

TRUFANOV, A. YA. (Lieutenant Colonel of the Medical Service)

"Study of the Excretory Function of the Stomach with the Use of "Methylene Blue"

Voyenno-Meditsinskiy Zhurnal, No. 10, October 1961

"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001756820001-1

TRUFANOV, A.Ya. (Odessa)

Extrabulbar duodenal ulcer. Vrach. delo no.11:140-142 N '61.  
(MIPA 14:11)  
(DUODENUM--ULCERS)

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TRUFANOV, A.Ya.

Gastroscopy in the diagnosis of chronic gastritis. Klin.med.  
no.7:58-61 '61. (MIRA 14:8)  
(STOMACH--INFLAMMATION) (GASTROSCOPY)

TRUFANOV, A.Ya., podpolkovnik med.sluzhby

Study of the excretory function of the stomach by means of  
methylene blue. Voen.-med.zhur. no.10:90-91 '61. (MIRA 15:5)  
(STOMACH--EXPLORATION)

TRUFANOV, B.; MOLDAVSKIY, M., inzh.; KHATSKIN, K., inzh.

Acid cleaning of hot-water heating pipes. Mor. flet 18 no.12:  
17-18 D '58. (MIRA 12:1)

1.Nachal'nik laboratorii Rizhskogo SRZ (for Trufanov). 2.Sudestroitel'-nyy Rizhskiy zavod (for Moldavskiy, Khatskin).  
(Heating pipes--Cleaning)

TRUFANOV, I.I.

Combined turbo-rotary drilling. Neftianik 1 no.12:6-8 D '56.  
(MIRA 12:3)  
1. Starshiy inzhener proizvodstvenno-tehnicheskogo otdela kontory  
bureniya neftepromyslovogo upravleniya Chernomorneft'.  
(Oil well drilling)

TRUFANOV, N. F., SHANGINA, K. I., and ILIN, V. S. (USSR)

"The Inclusion of  $^{35}\text{S}$  Methionine into Proteins of the Liver  
in Block and -Circumvention- of the Glucokinase Reaction."

Report presented at the 5th International Biochemistry Congress,  
Moscow, 10-16 Aug 1961

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TRUFANOV, I. (Ulan-Ude)

Its own characteristics. Voen. znan. 41 no.6;28 Je '65. (MIRA 18:5)

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"APPROVED FOR RELEASE: 03/14/2001

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TRUFANOV, S.A., inzh.

Conveyer for control tests of asynchronous crane motors. Vest.  
elektroprom. 31 no.3:34-38 Mr. '60. (MIRh 13:6)  
(Electric motors, Induction--Testing)

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TRUFANOV-V.A.

Vitamin B<sub>12</sub> and Amin V. A. Trufanov *Report*  
Volume 14 No. 12 December 1961 THE STRUCTURE AND  
PROPERTIES OF VITAMIN B<sub>12</sub> AND THE ANALOGUE OF  
VITAMIN B<sub>12</sub> PREPARED BY THE POLYMERIZATION  
METHOD

*Med* 1

APPROVED FOR RELEASE: 03/14/2001

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TRUFANOV, V.A. (Moskva)

Vitamin B12 (cobalamin). Vop.pit.14 no.5:3-12 S-0 '55 (MLRA 8:11)  
(VITAMINS B12,  
review)

BENUA, F.F.; DUKOR, Z.G.; KLYUSHENKOV, I.S.; KONSTANTINOV, V.P.;  
KATLER, A.I.; MAYKOV, N.K.; PRAYSMAN, A.D.; SERGEYEV, V.I.;  
TRUFANOV, V.G.; FEDOROV, V.F.; FRUMIN, S.R.; CHERTKOV, Kh.A.;  
~~SHIBANOV, B.V.~~; VATASHKINA, S.A., red.izd-va; CHERNOV, M.I.,  
red.; BODROVA, V.A., tekhn. red.

[Handbook on ship repairs in two volumes] Spravochnik po  
remontu sudov v dvukh tomakh. Pod obshchei red. M.I.Chernova.  
Moskva, Izd-vo "Technoi transport." Vol.2. 1963. 600 p.  
(Ships--Maintenance and repair) (MIRA 16:9)

BENUA, F.F.; DUKOR, Z.G.; KLYUSHENKOV, I.S.; KONSTANTINOV, V.P.;  
KOTLIYAR, D.I.; MAYKOV, N.K.; PRAYSMAN, A.D.; SERGEYEV,  
V.I.; TRUFANOV, V.G.; FEDOROV, V.F.; FRUMIN, S.R.;  
CHERTKOV, Kh.A.; SHIBANOV, B.V.; CHERNOV, M.I., red.;  
VITASHKINA, S.A., red.izd-va; MODROVA, V.A., tekhn. red.

[Handbook on ship repairs in two volumes] Spravochnik po  
remontu sudov v dvukh tomakh. Pod obshchey red. M.I.  
Chernova. Moskva, Izd-vo "Technoii transport." Vol.1. 1963.  
(MIRA 16:12)

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CIA-RDP86-00513R001756820001-1

ZAKHARCHENKO, A.I.; TRUFANOV, V.N.

Crystal-bearing pegmatite cavities in Akzhaylyau (Kazakhstan,  
their mineralogy and characteristics of formation. Trudy VSEGEI  
(MIRA 18:2)  
108:86-112 '64.

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TRUFANOV, V.N.; RODOYANOV, N.G.

Automatic decriptometer for determining the decrepitation temperatures of inclusions. Biul.nauuch.-tekhn.inform VIMS no.1:81-24 '63.  
(MIRA 18:2)

1. Rostovskiy-na-Donu gosudarstvennyy universitet.

PLISHKIN, A.A., kand. tekhn. nauk; TRUFANOV, V.V., inzh.

Establishing a complex of tillage machines and implements for  
areas subjected to wind erosion. Trakt. i sel'khozmash. 33  
no.7:22-24 Jl '63. (MIRA 16:11)

SHOSTAKOVSKIY, M.F.; KALABINA, A.V.; TRUFANOVA, A.I.; IZHEVSKAYA, A.T.

Synthesis and transformations of vinyl aryl ethers. Report  
No.5: Chemical transformations of vinyl ethers of o-, m-,  
p-cresols and p-tert-amyl phenol. Izv. Fiz.-khim. nauch.-issl.  
inst. Irk. un. 5 no.1:101-110 '61. (MIRA 16:8)

(Ethers) (Phenol) (Cresol)

SGIBNEV, V. D., KRUTYAKOVA, A. V., STRELKOVA, A. I., KRIGOR'YEVA, M. Z., PUGACHEV, A. N.,  
SHLAKHO, A. V., TRUFANIOVA, A. M.

Meat Industry and Trade

Stakhanovite innovators speak of their work. Mias. ind. SSSR No. 2, 1952.

9. Monthly List of Russian Accessions, Library of Congress, August 1952 1956, Uncl.

ЗИФЕВ В. Д.; КРУПЯКИНА, А. В.; ПОЛЯНСКАЯ, Л. Г.; СЕРГЕЕВА, Е. А.  
КУЗЬМИЧЕВ, А. Н.; СИДРИКО, А. В.; ТРОФИМОВ, А. А.

Meat Industry and Trade

Stalinovite innovators speak of their work. (Mos. in. 301 no. 1, 1953)

9. Monthly List of Russian Accessions, Library of Congress, March 1953, Uncl.  
2

SGIRNEV, A.B.: KIMTYAK, VA, A.V.: LITOVKIN, V.I.: MAMALYGINA, E.Z.: MUSATOV, A.V.:  
SHLAKHO, A.V.: TEFANNOVA, A.M.

Meat Industry and Trade

Stakhanovite innovators speak of their work. Vias. ind. SSSr no. 2, 1952.

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"APPROVED FOR RELEASE: 03/14/2001

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SGIBAEV, V. D.; KRUTYAKOV, A. V.; STAKHANOV, I. I.; GORBATYUK, N. A.; SHULAKHO, A. V.; SHULAKHO, A. V.; TRUFANOVA, A. M.

Meat Industry and Trade

Stakhanovite innovators speak of their work. Mias. Ind. Sovn no. 2, 1952.

Monthly List of Russian Accessions, Library of Congress, August, 1952. UNCLASSIFIED.

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SGIBNEV, V.D., MULYANOV, A.I., SOKOLOV, V.M., TROFIMOV, V.V., VASILIEV, V.V.,  
SHLAKHO, A.V., TRUFANOV, A.M.

Heat Industry and Trade

Stakhanovite innovators speak of their work. Misc. ind. SSSR no. 2, 1952

Monthly List of Russian Accessions, Library of Congress, August 1952. UNCLASSIFIED.

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CIA-RDP86-00513R001756820001-1"

LEBED', G.G.; ODINTSOV, M.M.; TUFANOVA, A.P.

Ordovician, Silurian, and Devonian stratigraphy of the Irkutsk  
amphitheater. Report No.1. Geol i geofiz. no.2:28-41 '60.  
(MIRA 13:9)

1. Vostochno-Sibirskiy geologicheskiy institut Sibirskego otdeleniya  
AN USSR.  
(Irkutsk Province--Geology, Stratigraphic)

LEBED', O.G.; ODINTSOV, M.M.; TRUEANOVA, A.P..

Ordovician, Silurian, and Devonian stratigraphy of the Irkutsk amphitheater. Report No.2. Geol. i geofiz. no.3:55-58 '60.  
(MIRA 13:9)

1. Vostochno-Sibirskiy geologicheskiy institut Sibirskogo otdeleniya  
AN SSSR.  
(Irkutsk Province—Geology, Stratigraphic)

TRUFANOVA, A. P. (Co-author)

See: ODINTSOV, M. M.

Odintsov, M. M. and Trufanova, A. P. - "Ancient volcanic craters  
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SO: U-3566, 15 March 53, (Letopis 'Zhurnal 'nykh Statey, No.14, 1949).

TRUFANOVA, A. S., uchitel'nitsa; KHOLODENKO, L. P., uchitel'nitsa;  
OBLACHKO, V. G., uchitel'nitsa; POLOGRUDOV, V. A. (g. Kemerovo);  
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Editor's mail. Khim. v shkole 17 no.4:87-89 J1-Ag '62.  
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1. Srednyaya shkola No. 26, Orel (for Trufanova). 2. Srednyaya  
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(Chemistry—Study and teaching)

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Malignant thyroid adenoma. Vest.khir. 77 no.3:116-117 Mr '56.  
(MLRA 9:7)

l. Iz onkologicheskogo dispansera (nauchnyy rukovoditel' professor  
V.I.Mirer)  
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TRUEFAS, Walter

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Tele-Montane Areas," Geol. Surv. Can. Paper 155-1965,  
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112. "Contributions to the Knowledge of the Alpine Lakes in  
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— 4/2 —

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16 JUL 1962

12

229

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  2. "The Origin of the Earth and the Problem of Its  
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Paper," Victor DISCU and Vasile RECOA, Bucharest;  
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I. GRIGORESCU; pp. 44-51.
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DISCU, Leading Professor (Professor Prudent), Bucharest;  
pp. 52-57.
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VULIU, Brasov; pp. 57-65.
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Regions," Prof. Maria GRIGORE, Baia Mare; pp. 65-71.
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pp. 72-73.
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I. VASTIL, Minister, Lupașca Social-Economist; pp. 74-77.

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The sebes Valley, morphological data. p. 269.  
(ANALELE. SERIA STIINTELOR NATURII. Rumania. Vol. 5, no. 11, 1956)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 7, July 1957. Unclassified.

"APPROVED FOR RELEASE: 03/14/2001

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TRUFAS, Valer (Bucuresti)

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CIA-RDP86-00513R001756820001-1

TRUFAS, Valer; FILIP, Alexandru

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1. University of Bucharest.

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001756820001-1"

"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001756820001-1

TRUFONCVA, A. N.

"On the physiology of differentiation and growth. II. The Pasteur-Meyerhof equilibrium in the development of fish." (p. 243) Laboratory of the Zoology of Vertebrates, (Chief: Deryugin, K. M.), Biological Institute, Leningrad State University. by Trufonova, A. N.  
SO: Biological Journal (Biologicheskii Zhurnal) Vol. VI, 1937, No. 2

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TRUFANOVA, A. P.

Trufanova, A. P. "Traprocks of the eastern part of the Tunguska Basin and their metalliferous qualities," Materialy po geologii i poleznyim iskopayemym Vost. Sibiri, Issue 22, 1948 [On cover: 1949] page. 27-28

SO: U-3566, 15, March, 53( Letopis 'Zhurnal 'nykh Statey, No. 14, 1949).

TRUFAS, V.

Preliminary geomorphological observations about the depression of Balta.  
p. 169.

ANALELE. SERIA STINTELOR NATURII. Bucuresti, Rumania.  
Vol. 7, no. 17, 1958

Monthly list of European Accessions (EEAI) LC, Vol. 8, no. 8, Aug. 1959

Uncl.

TRUFAS, Valer M. (Bucuresti)

Description of some types of present landslides in the southwestern Transylvania, Natura Geografie 13 no. 5:46-50 S.-O '61.

"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001756820001-1

TRUFAT, V.

Lakes of the Glacial Relief of the Surianu Mountains. Meteologica Mihail gosp. no.1:22-25 '61.

APPROVED FOR RELEASE: 03/14/2001

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JANS, V., dr. (Paris); TRUFFERT, L., prof. (Paris)

Analytic methods of research and control of the changes in foods  
due to the influence of physical treatments. Acta chimica Hung 23  
no.1/4:603-607 '60. (EEAI 10:9)

1. Ministere des Finances, Paris(for Jans). 2.Service des Laboratoires,  
Paris.(for Truffert).

(Food) (Electrophoresis) (Proteins) (Chromatography)  
(Absorption spectra) (Enzymes) (Radiation) (Hydrolysis)

TRUFINESCU, L., ing.; NICOLAU, Th., ing.

Considerations on reducing the dispersion of thermistors.  
Metrologia apl 11 no. 8:372-379 Ag '64.

S/125/63/000/001/001/012  
A006/A106

Afryakov, V. I.

Approved for  
Joints

CONFIDENTIAL:

TEXT:

The author attempts to ground experimentally some principles in test structures. The principles concern: the selection of a criterion for building components. In building constructions, specimen sizes and plotting of endurance diagrams. In building constructions operating at low temperatures, the fatigue crack may become the seat of brittle failure. Therefore the criterion for the fatigue failure of specimens should not be the full fracture, but the moment when the crack size becomes dangerous. In the tests conducted, the fatigue crack dangerous after having attained a depth of about 4 mm. For non-treated weld joints the endurance curves show a sharp break at 1.5 - 3.5 million stress cycles if a 2 - 3 mm deep crack is considered to be the failure criterion. Therefore the

no. 1, 1963, 1 - 8

Avtomaticheskaya sv...

03/14/2001  
Card 1/2

S/125/63/000/001/001/012  
A006/A106

AUTHOR: Trufyakov, V. I.

TITLE: Problems in the methods of testing the endurance strength of weld joints

PERIODICAL: Avtomaticheskaya sv..., no. 1, 1963, 1 - 8

TEXT: The author attempts to ground experimentally some principles in test methods applicable to weld joints not subjected to any treatment in building constructions. The principles concern: the selection of a criterion for the fatigue failure of specimens, test bases, specimen sizes and plotting of endurance diagrams. In building constructions operating at low temperatures, the fatigue crack may become the seat of brittle failure. Therefore the criterion for the fatigue failure of specimens should not be the full fracture, but the moment when the crack size becomes dangerous. In the tests conducted, the fatigue crack became dangerous after having attained a depth of about 4 mm. For non-treated weld joints the endurance curves show a sharp break at 1.5 - 3.5 million stress cycles if a 2 - 3 mm deep crack is considered to be the failure criterion. Therefore the

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Problems in the methods of testing the endurance...

S/125/63/000/001/001/012  
A006/A106

author suggests a number of  $5 \cdot 10^6$  cycles as endurance test basis. The dimensions of specimens affect substantially the weld endurance strength. For butt welds, endurance limits are stabilized only when the specimen width is 200 mm and its thickness 26 mm. Fatigue limits of weld joints established on specimens of such sections are practically equal in bending and tension. The effect of residual stresses complicates the use of existing functions for the plotting of full endurance diagrams from one experimental point. To plot the diagram, it is necessary to know at least two values of the endurance limit of the joint, the coefficients of asymmetry of the cycle being considerably different. There are 9 figures and 2 tables.

ASSOCIATION: Institut elektrosvarki imeni Ye. O. Paton AN USSR (Institute of Electric Welding imeni Ye. O. Paton, AS UkrSSR)

SUBMITTED: June 15, 1962

Card 2/2

TRUFYAKOV, V. I. - inzhener 1, ZHEMCHUZHNIKOV, G. V. - Inzh., SHEVERNITSKIY, V. V.-  
kand, Tekhn. Nauk St. Nauchn. Sotr., NOVIKOV, V. I. - Inzh.  
Institut elektrosvarki im. akad. Ye. C. Patona Akademii nauk USSR  
STATICHESKAYA PROCHNOST' SVARIMYKHOD YEDINENIY IZ MALOUGLERODISTOY STALI

Page 138

SO: Collection of Annotations of Scientific Research Work on Construction, completed  
in 1950, Moscow, 1951

TRUFYAKOV, V.I. (Sci Worker)

USSR/Engineering - Bridges, Welding

Jul 51

"Construction Attachment for Transversal and  
Longitudinal Beams in All-Welded Bridges With  
Traffic Along Lower Surface," V. V. Shevernitkiy,  
Cand Tech Sci, V. I. Trufyakov, Sci Worker

"Avtomat Svarka" No 4 (19), pp 56-72

Describes method for attaching transversal beams  
to trusses and longitudinal beams to transversal  
ones in railroad bridges. Definite construction  
of attachments is suggested, being on static  
strength of joints and convenience of execution.  
Presents results of vibration tests for studying  
behavior of suggested joints under varied loads.

215T30

TRUFYAKOV, V. I., Acad Sci Ukr SSR

USSR/Engineering - Bridges, Welding Jan/Feb 53

"Methods of Attaching Diagonals and Struts to the  
Joints of All-Welded Continuous Trusses," Ye. O.  
Paton, V. I. Trufyakov, Active Mem Acad Sci Ukr  
SSR, Inst of Electric Welding im Ye. O. Paton

Avtomat Svarka, No 1, pp 3-9

Reviews various methods for joining bracing mem-  
bers in assembling bridges and suggests method in  
which connection boxes are finished at plant with  
ends of diagonals and struts welded into boxes in

275T35

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proper position. During assembly, main portions  
of braces are attached to the protruding ends by  
most convenient field method of butt welding.

PATON, Ye.O.; TRUFYAKOV, V.I.

Methods of attaching trusses and posts to all-welded open girders.  
(MIRA 7:6)  
Avtom.svar. 6 no.1:3-9 Ja-F '54.

1. Institut elektrosvarki im. Ye.O.Patona. (Girders) (Building, Iron  
and steel)

TRUFYAKOV, V.I.

Experience in erecting an all-welded span structure of an  
automobile highway bridge. Avtom.svar. 7 no. 6(39):33-43  
(MLRA 8:2)  
N-D '54.

I. Institut elektrosvarki im. Ye.O.Patona Akademii nauk  
USSR.  
(Bridges, Iron and steel--Welding)

TRUFYAKOV, V. I.

"Determination of the calculated vibration stability of weld joints."  
Acad Sci Ukrainian SSR. Inst of Structural Mechanics. Kiev, 1956.  
(DISSERTATION For the Degree of Candidate in TECHNICAL SCIENCE.)

Knizhnaya letopis'  
No 33, 1956, Moscow

TRUFYAKOV, V.I.

AID P - 5423

Subject : USSR/Engineering

Card 1/1 Pub. 11 - 13/13

Author : Trufyakov, V. I.

Title : About the effect of residual stresses in decreasing strength of welded joints.

Periodical : Avtom. svar., 5, 90-103, My 1956

Abstract : The author presents the problem, discusses the decrease of strength in a welded joints with the increase of cross-section area, and makes several practical deductions. He asserts that the residual stresses have an important influence on the ultimate strength of the specimen. Four tables, 6 drawings, 5 graphs, 4 micro-pictures; 7 Russian references (1948-53) and 1 American (1946).

Institution : Electrowelding Institute im. Paton.

Submitted : 14 Jl 1956

TRUFYAKOV, V.I.

PHASE I BOOK EXPLOITATION

927

Mezhvuzovskaya konferentsiya po svarke, 1956

Sbornik dokladov... (Reports of the Interuniversity Conference on Welding, 1956) Moscow, Mashgiz, 1958. 266 p. 7,000 copies printed.

Sponsoring Agency: Moscow. Vyssheye tekhnicheskoye uchilishche.

Ed.: Nikolayev, G.A., Doctor of Technical Sciences, Professor; Ed. of Publishing House: Mezhova, V.A.; Tech. Ed.: Tekhanov, A.Ya.; Managing Ed. for Literature on Heavy Machine Building (Mashgiz): Golovin, S.Ya., Engineer.

PURPOSE: This book is intended for welding engineers and technical personnel of scientific research organizations.

Card 1/6

Reports of the Interuniversity (Cont.) 927

COVERAGE: This is a collection of technical papers and reports presented by the representatives of various educational, industrial, and research organizations at the 1956 welding conference. They deal with problems of strength of welded connections and structures, automatic arc and resistance welding of steels, and nonferrous metals and alloys. No personalities are mentioned. There are 109 references, 95 of which are Soviet, 12 English, and 2 German.

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Card 2/6

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Card 3/6

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Card 4/6

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AVAILABLE: Library of Congress

Card 6/6

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12-15-58

SOV/125-58-12-12/13

AUTHORS: Trufyakov, V.I., Sidorenko, M.N., Sakharnov, T.A. and Kovval'chuk, V.S.

TITLE: An Electromagnetic Vibration Machine for Endurance Tests of Weld Joints (Elektromagnitnaya vibratsionnaya mashina dlya ispytaniya svarnykh soyedineniy na vynoslivost')

PERIODICAL: Avtomaticheskaya svarka, 1958, Nr 12, pp 84-90 (USSR)

ABSTRACT: Information is given on an electromagnetic vibration machine designed at the Institute of Electric Welding. It is used for bending tests of flat cantilever specimens of  $100 \text{ cm}^2$  cross section, with a moment of inertia of up to  $170 \text{ cm}^4$  and any given sequence of stress up to 44 c frequency. The oscillations of the cantilever specimen are caused and maintained by the varying force of electromagnetic attraction, arising during the passage of the magnetic flux through the specimen. There is an a.c. feed to the electromagnet, and the oscillation amplitude of the specimen is selected by changing the magnitude of the current. An additional electromagnet is switched on for tests with an asymmetric cycle in order to induce a constant component of stress in the specimen. The selection of the prescribed stress is brought

Card 1/2

SOV/125-58-12-12/13

An Electromagnetic Vibration Machine for Endurance Tests of Weld Joints

about by the use of electric resistance indicators fixed on the specimens. A detailed description of the design and operation of the machine is given. There are 3 diagrams, 1 circuit diagram, 1 photo and 3 Soviet references.

ASSOCIATION: Institut elektrosvarki imeni Ye.O. Patona (Institute of Electric Welding imeni Ye.O. Paton)

SUBMITTED: September 5, 1958

Card 2/2

12(5,7)

AUTHOR:

Trufyakov, V.I.

SCW/125-58-7-2/13

TITLE:

Criterion for Determination of the Fatigue Destruc-  
tion of Welded Joints

PERIODICAL:

Avtomaticheskaya svarka, 1959, Nr 7, pp 7-16 (USSR)

ABSTRACT:

It is a well-known fact that the process of fatigue destruction is not an instantaneous one. After a fatigue crack appears, it begins to gradually grow in size until it will occupy such an area that the remaining sound section of the welded joint will not be able to stand the strain applied to it and will finally break. As a criterion for fatigue destruction the moment of the final break of the welded piece along its joint usually serves; however, such a criterion does not practically answer the purpose. The author suggests that in order to establish the proper criterion, not the moment of final breakage should be taken into account, but the moment when the critical state of the crack becomes evident. For this purpose he

Card 1/3

SOV/125-50-7-2/10

Criterion for Determination of the Fatigue Destruction of Welded Joints

recommends, for instance, in testing welded bridge constructions, to make the vibration tests not at constant, but at variable temperatures corresponding to those at which the construction in question is supposed to be used. Two questions are to be considered here: 1) under what conditions a fatigue crack turns into a brittle one; and 2) how deep a fatigue crack must be in order to entail destruction of the welded joint. On the basis of extensive research, the author draws the following conclusions: 1) At low temperatures and when the strains applied to the welded construction do not reach the fluidity limit of the metal in question, a fatigue crack cannot entail the destruction of a welded seam, provided no other factors (strokes, blows etc.) will take place; 2) It has been established that a fatigue crack becomes dangerous when it attains a depth of about 4 mm. Consequently, as a criterion of fatigue destruction, not the

Card 2/3

SCV/107-50-7-04/2

Criterion for Determination of the Fatigue Destruction of Welded Joints

moment of the final breakage of the welded piece should be taken, but the moment when the fatigue crack becomes 2-3 mm deep. There are 1 graph, 5 tables, 4 diagrams and 5 references, 4 of which are Soviet and 1 American.

ASSOCIATION: Ordena Trudovogo Krasnogo Znameni Institut elektrosvarki imeni Ye.O. Patona АН УССР (Order of the Red Banner of Labor Institute of Electric Welding, imeni Ye.O.Paton, AS UkrSSR)

SUBMITTED: April 22, 1959

Card 3/3

"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001756820001-1

RYKALIN, N.N.; TRUFYAKOV, V.I.; KRASOVSKIY, A.I.

The 18th Congress of the International Institute of Welding,  
Avtom. svar. 18 no.10:76-79 O '65. (MIRA 18:12)

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001756820001-1"

TRUFYAKOV, V.I.

Welded bridges of Paris. Avtom.svar. 18 no.11:75-77 N '65.  
(MIRA 18:12)

ACC NR: AP6037094

(N)

SOURCE CODE: UR/0125/66/000/011/0001/0000

AUTHOR: Trufyakov, V. I.; Sterenbogen, Yu. A.; Mikheyev, P. P.; Babayev, A. V.

ORG: Institute of Electric Welding im. Ye. O. Paton AN UkrSSR (Institut elektro-svarki AN UkrSSR)

TITLE: Strength of welded joints made from low-alloy steels

SOURCE: Avtomaticheskaya svarka, no. 11, 1966, 1-6

TOPIC TAGS: weld evaluation, fatigue strength, low alloy steel

ABSTRACT: The following nine grades of steel were tested for fatigue strength at the Institute of Electric Welding im. Ye. O. Paton: 14G2, 19G, 15GS, 14KhGS, 10KhSND, 15KhSND, 09G2S, 10G2SD, 10G2Sl and 15KhG2SMFR. Grades 10G2Sl and 10G2SD were tested in the hot-rolled state and after thermal hardening (heating to 920°C, quenching in water and subsequent annealing at 650°C). Two types of specimens were tested: with butt joints and with welded strips to simulate reinforcing ribs. The joints were automatically welded using AN-348 flux and SV-08 GA wire except for specimens made from 10G2Sl steel which were welded with AN-22 flux and Sv-10NM wire, and 15KhG2SMFR which was welded with AN-22 flux and Sv-08KhMF wire. The strips were manually welded using UONI-13/55 electrodes. It was found that the strength of untreated joints made from low-alloy steels is practically independent of the automatic welding

Card 1/2

UDC: 621.791.052:669.15-194 621.791;620.192.3.001

ACC NR: AP6037094

conditions and selection of welding materials (grades of flux and electrode wire). In tests of a given type of joint, low-alloy steels of various grades differing in chemical composition and mechanical properties show identical resistance to cyclic loading. Joints made from thermally hardened steels as well as those made from purified steels have the same fatigue strength as ordinary hot-rolled steels. Low-alloy steels show somewhat of an increase in the strength of joints as compared with those made from low-carbon steels when the stresses are applied in a single direction. On the other hand, the fatigue strength of joints made from low-carbon and low-alloy steels is approximately identical in the case of symmetric loading cycles. Orig. art. has: 9 figures, 2 tables.

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PATON, B.Ye., akademik, otv. red.; ASNIS, A.Ye., doktor tekhn. nauk, red.; KAZIMIROV, A.A., kand. tekhn. nauk, red.; KASATKIN, B.S., doktor tekhn. nauk, red.; RAYEVSKIY, G.V., doktor tekhn. nauk, red.; TRUFYAKOV, V.I., kand. tekhn. nauk, red.; SHEVERNITSKIY, V.V., kand. tekhn. nauk red. [deceased]; GILELAKH, V.I., red.

[Design of welded structures; reports] Proektirovaniye svarnykh konstruktsii: doklady. Kiev, Naukova dumka, 1965. 426 p. (MIRA 18:6)

1. Vsesoyuznaya konferentsiya po proektirovaniyu svarnykh konstruktsii, Kiev, 1963.